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2.c
#include "stdio.h"

/* Declaration */
char string_input[100], pattern[50], replace_with[50], answer[100];
int i, j, c, m, k, flag=0;

void stringmatch() {
    i = m = c = j = 0;
}

while (string_input[c] != '\0') {
    // check for \0 in the string for terminating the loop.

    if (string_input[m] == pattern[i]) {
        i++;
        m++;
        // if original string at position 'm' is equal to pattern string at position 'i'
        // then increment both.

        if (pattern[i] == '\0') {
            flag = 1;
            // if pattern string at 'i' is '\0' the search for the next
            // character using for loop
            for (k = 0; replace_with[k] != '\0'; k++, j++)
                answer[j] = replace_with[k];
            i = 0; // setting i to zero for starting again.
            c = m;
        }

        else {
            answer[j] = string_input[c];
            j++; // incrementing to next character for answer string.
            c++; // same as above for original string
            m = c; // replace index of original string with 'c'
            i = 0;
        }
    }

    answer[j] = '\0'; // setting up last character for the answer string.
}

int main() {
    printf("Enter a main String: ");
    gets(string_input); // string input
}

```

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